

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11335	data same warehouse same (meta adj data) or (metadata or meta-data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:16
L2	236	data same warehouse same ((meta adj data) or (metadata or meta-data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:13
L3	332	data same warehouse same (meta adj data) or (metadata or meta-data) same export\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:16
L7	0	(data same warehouse same (meta adj data) or (metadata or meta-data)) same export\$5 same develop\$4 same element\$1 same interchang\$4 same file\$1 same model\$1 same value\$1 same porcess\$4 same (predefin\$4 or pre-defin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:20
L8	2	(convert\$4 same interchang\$4 same ((meta adj data) or meta-data or metadata) same depend\$5 same value\$1 same element\$1 same site\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:23

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11335	data same warehouse same (meta adj data) or (metadata or meta-data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:16
L2	236	data same warehouse same ((meta adj data) or (metadata or meta-data))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:13
L3	332	data same warehouse same (meta adj data) or (metadata or meta-data) same export\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:16
L4	43	data same warehouse same (meta adj data) or (metadata or meta-data) same export\$5 same develop\$4 same element\$1 same interchang\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:17
L5	43	data same warehouse same (meta adj data) or (metadata or meta-data) same export\$5 same develop\$4 same element\$1 same interchang\$4 same file\$1 same model\$1 same value\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:18
L6	42	data same warehouse same (meta adj data) or (metadata or meta-data) same export\$5 same develop\$4 same element\$1 same interchang\$4 same file\$1 same model\$1 same value\$1 same porcess\$4 same (predefin\$4 or pre-defin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:19
L7	0	(data same warehouse same (meta adj data) or (metadata or meta-data)) same export\$5 same develop\$4 same element\$1 same interchang\$4 same file\$1 same model\$1 same value\$1 same porcess\$4 same (predefin\$4 or pre-defin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:20
L8	2	(convert\$4 same interchang\$4 same ((meta adj data) or meta-data or metadata) same depend\$5 same value\$1 same element\$1 same site\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/19 14:23



**5 Data reengineering for application systems***Ricketts, J.A.; DeMonaco, J.C.; Weeks, M.W.;*

Software Maintenance, 1989., Proceedings., Conference on , 16-19 Oct. 1989

Pages:174 - 179

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) **IEEE CNF****6 ebXML BP modeling toolkit***Jinyoung Moon; Daeha Lee; Chankyu Park; Hyunkyu Cho;*

Enterprise Distributed Object Computing Conference, 2003. Proceedings. Seventh

IEEE International , 16-19 Sept. 2003

Pages:296 - 301

[\[Abstract\]](#) [\[PDF Full-Text \(810 KB\)\]](#) **IEEE CNF**

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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997

**Proceedings of the 1997 conference of the Centre for Advanced Studies on Coll**

Full text available: [pdf\(4.21 MB\)](#)

Additional Information: [full citation](#), [abstrac](#) ...

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time dia tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are oft experience, such tools display repeated occurrences of non-trivial commun ...

2 [Cost-based query optimization for metadata repositories](#)

Martin Staudt, René Soiron, Christoph Quix, Matthias Jarke

March 1999

**ACM SIGAPP Applied Computing Review**, Volume 7 Issue 2

Full text available: [pdf\(1.04 MB\)](#)

Additional Information: [full citation](#), [abstrac](#) ...

Query optimization strategies for repository systems must take into account the rich and often unpredictable This paper describes rationale, design, and system integration of a cost-based query optimizer offered in Con In contrast to most implemented DBMS, the optimizer is not based on the ...

3 [Multiversion-based view maintenance over distributed data sources](#)

Songting Chen, Bin Liu, Elke A. Rundensteiner

January 2004

**ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 4

Full text available: [pdf\(480.72 KB\)](#)

Additional Information: [full citation](#), [abstrac](#) ...

Materialized views can be maintained by submitting maintenance queries to the data sources. However, the q typically apply compensations to resolve such conflicts and assume all source schemata remain stable over tim but also their schema or semantics. Consequently, either the maintenance or the ...

**Keywords:** View maintenance, transaction processing

4 [Workshop on compositional software architectures: workshop report](#)

May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Full text available: [pdf\(2.91 MB\)](#) Additional Information: [full citation](#), [index terms](#)

5 [Query-based data warehousing tool](#)

Rami Rifaieh, Nabila Aïcha Benharkat

November 2002

**Proceedings of the 5th ACM international workshop on Data Warehousing and**

Full text available:  pdf(280.49 KB)

Additional Information: [full citation](#), [abstrac](#) \_\_

Data warehousing is an essential element of decision support. It aims at enabling the knowledge user to mak to enable the communication between various function areas of the warehouse and an ETL tool (Extraction, T guideline to specify the ETL tool with the mapping expression of each attribute. ...

**Keywords:** data warehouse, mapping expression, meta-data, query based ETL tools

6 Maintenance and workload: Using AutoMed metadata in data warehousing environments

Hao Fan, Alexandra Poulouvassilis

November 2003

**Proceedings of the 6th ACM international workshop on Data warehousing and O**

Full text available:  pdf(271.41 KB)

Additional Information: [full citation](#), [abstrac](#) \_\_

What kind of metadata can be used for expressing the multiplicity of data models and the data transformation supporting other data warehouse activities? We examine how these questions are addressed by AutoMed, a s environments.


**Keywords:** data integration, data warehouse, metadata

7 New data models and languages—the challenge

Catriel Beerl

July 1992

**Proceedings of the eleventh ACM SIGACT-SIGMOD-SIGART symposium on Prin**

Full text available:  pdf(1.39 MB)

Additional Information: [full citation](#), [abstrac](#) \_\_

New data models and languages have been the focus of attention in database research in the last decade. The considering which directions are now interesting. This paper presents some concepts of object-oriented datab views and meta-data.

8 Information systems interoperability: What lies beneath?

Jinsoo Park, Sudha Ram

October 2004

**ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 4

Full text available:  pdf(824.78 KB)

Additional Information: [full citation](#), [abstrac](#) \_\_

Interoperability is the most critical issue facing businesses that need to access information from multiple infor to facilitate semantic interoperability among distributed and heterogeneous information systems. A comprehe unified view of the underlying representational and reasoning formalism ...

**Keywords:** Information integration, mediators, ontology, semantic conflict resolution, semantic heterogeneit

9 Meta data management: Rondo: a programming platform for generic model management

Sergey Melnik, Erhard Rahm, Philip A. Bernstein

June 2003

**Proceedings of the 2003 ACM SIGMOD international conference on Managemen**

Full text available:  pdf(392.38 KB)

Additional Information: [full citation](#), [abstrac](#) \_\_

Model management aims at reducing the amount of programming needed for the development of metadata-in which high-level operators are used to manipulate models and mappings between models. We define the key specify the semantics of the known model-management operators applied to these structures, ...

10 SchemaSQL: An extension to SQL for multidatabase interoperability

Laks V. S. Lakshmanan, Fereidoon Sadri, Subbu N. Subramanian

December 2001

**ACM Transactions on Database Systems (TODS)**, Volume 26 Issue 4

Full text available:  pdf(435.89 KB)

Additional Information: [full citation](#), [abstrac](#) \_\_

We provide a principled extension of SQL, called *SchemaSQL*, that offers the capability of uniform manipulatio *SchemaSQL* in a manner that extends traditional SQL syntax and semantics, and demonstrate the following. ( used to transform data in a database in a structure substa ...

**Keywords:** Information integration, SchemaSQL, multidatabase systems, restructuring views, schematic het

**11 Application performance and flexibility on exokernel systems**

M. Frans Kaashoek, Dawson R. Engler, Gregory R. Ganger, Héctor M. Briceño, Russell Hunt, David Mazières, Tho  
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM sympos**

Full text available:  [pdf\(2.39 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index](#)

**12 Software and document engineering: Document engineering for e-business**

Robert J. Glushko, Tim McGrath

November 2002

**Proceedings of the 2002 ACM symposium on Document engineering**

Full text available:  [pdf\(418.83 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

It can be said that "document exchange" is the "mother of all patterns" for business (and for e-business). Yet frameworks that make this abstraction more rigorous and useful. We describe an approach to artifact-driven analysis" approach from publishing and the "data analysis" approach fr ...

**Keywords:** XML, business process modeling, document analysis, document engineering, e-Business, patterns

**13 Soft updates: a solution to the metadata update problem in file systems**

Gregory R. Ganger, Marshall Kirk McKusick, Craig A. N. Soules, Yale N. Patt

May 2000

**ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 2

Full text available:  [pdf\(147.90 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Metadata updates, such as file creation and block allocation, have consistently been identified as a source of p implementation technique for low-cost sequencing of fine-grained updates to write-back cache blocks. Using s for almost all file operations. This article describes soft ...

**14 Microsoft TerraServer: a spatial data warehouse**

Tom Barclay, Jim Gray, Don Slutz

May 2000

**ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international con**

Full text available:  [pdf\(410.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Microsoft® TerraServer stores aerial, satellite, and topographic images of the earth in a SQL database availab United States Geological Survey (USGS) and SPIN-2. Internet browsers provide intuitive spatial and text inter This paper describes how terabytes of "Internet unfrie ...

**Keywords:** VLDB, geo-spatial, image databases, internet

**15 ObjectGlobe: Ubiquitous query processing on the Internet**

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsam, K. Stocker

August 2001

**The VLDB Journal – The International Journal on Very Large Data Bases**, Volume

Full text available:  [pdf\(251.44 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

We present the design of ObjectGlobe, a distributed and open query processor for Internet data sources. Toda capabilities. The goal of the ObjectGlobe project is to establish an open marketplace in which *data* and *query* ObjectGlobe integrates *cycle providers* (i.e., machi ...

**Keywords:** Cycle-, function- and data provider, Distributed query processing, Open systems, Privacy, Quality

**16 Spatial and temporal content-based access to hypervideo databases**

Haitao Jiang, Ahmed K. Elmagarmid

December 1998

**The VLDB Journal – The International Journal on Very Large Data Bases**, Volume

Full text available:  [pdf\(241.17 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Providing content-based video query, retrieval and browsing is the most important goal of a video database management system, but also in the semantic associations manifested by the entities present in the video. This paper presents a model of video abstractions, the model is capable of representing video entities that ...

**Keywords:** Content-based query, Hot object, Hypervideo, Spatial and temporal constraint, Video database

**17** Establishing the semantic web 1: The chatty web: emergent semantics through gossiping

Karl Aberer, Philippe Cudré-Mauroux, Manfred Hauswirth

May 2003

**Proceedings of the twelfth international conference on World Wide Web**

Full text available:  [pdf\(237.35 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

This paper describes a novel approach for obtaining semantic interoperability among data sources in a bottom-up manner. In the presence of large amounts of data exist that have been organized and annotated according to local schemas. Seeing semantics as a global agreement in an evolutionary and completely decentralized process that so ...

**Keywords:** self-organization, semantic agreements, semantic integration

**18** Operating systems: DualFS: a new journaling file system without meta-data duplication

Juan Piernas, Toni Cortes, José M. García

June 2002

**Proceedings of the 16th international conference on Supercomputing**

Full text available:  [pdf\(213.64 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

In this paper we introduce DualFS, a new high performance journaling file system that puts data and meta-data in very different ways. Unlike other journaling file systems, DualFS has only one copy of every meta-data block. By avoiding a time-expensive extra copy of meta-data blocks ...

**Keywords:** DualFS, journaling file system, meta-data management

**19** Formal interpreters for diagram notations

Luciano Baresi, Mauro Pezzè

January 2005

**ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 14**

Full text available:  [pdf\(834.85 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

The article proposes an approach for defining extensible and flexible formal interpreters for diagram notations with precisely-defined syntax, but informally defined (dynamic) semantics. These notations are often flexible to fit the original definition and results in different interpretations ...

**Keywords:** Semi-formal notations, graph transformation, high-level Petri nets, semantics

**20** OLAP: Evaluating XML-extended OLAP queries based on a physical algebra

Xuepeng Yin, Torben Bach Pedersen

November 2004

**Proceedings of the 7th ACM international workshop on Data warehousing and OLAP**



Full text available:  [pdf\(206.65 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

In today's OLAP systems, integrating fast changing data, e.g., stock quotes, physically into a cube is complex. Making XML data logically federated with OLAP systems is desirable. In this paper we present a simplified query semantics, a physical query algebra and a robust OLAP-XML query engine ...

**Keywords:** OLAP, XML, data integration, physical algebra, query semantics



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#### 21 [Amit - the situation manager](#)

Asaf Adi, Opher Etzion

May 2004

**The VLDB Journal — The International Journal on Very Large Data Bases**, Volume

Full text available: [pdf\(286.10 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

This paper presents the "situation manager", a tool that includes both a language and an efficient runtime executor that in many cases there is a gap between current tools that enable one to react to a single event (following the reaction; however, the reaction should be given to pattern ...

**Keywords:** Active databases, Active technology, Composite events, High-level languages

#### 22 [Lineage tracing for general data warehouse transformations](#)

Y. Cui, J. Widom

May 2003

**The VLDB Journal — The International Journal on Very Large Data Bases**, Volume

Full text available: [pdf\(324.80 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Data warehousing systems integrate information from operational data sources into a central repository to enable and undergoes a series of *transformations*, which may vary from simple algebraic operations or aggregations to complex tracing warehouse data items back to the origin ...

**Keywords:** Data lineage, Data warehouse, Inverse, Lineage tracing, Transformation

#### 23 [GLOSS: text-source discovery over the Internet](#)

Luis Gravano, Héctor García-Molina, Anthony Tomasic

June 1999

**ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 2

Full text available: [pdf\(230.37 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

The dramatic growth of the Internet has created a new problem for users: location of the relevant sources of which we call the text-source discovery problem. Our approach consists of two phases. First, each text source is ordered list of promising text sources. Then ...

**Keywords:** Internet search and retrieval, digital libraries, distributed information retrieval, text databases

#### 24 [XML and architecture: Achieving adaptivity for OLAP-XML federations](#)

Dennis Pedersen, Torben Bach Pedersen

November 2003

**Proceedings of the 6th ACM international workshop on Data warehousing and OLAP**

Full text available:  [pdf\(119.23 KB\)](#)

Additional Information: [full citation](#), [abstrac](#) \_

Motivated by the need for more flexible OLAP systems, this paper presents work on logical integration of exte Aalborg University. Flexibility is ensured by supporting XML as the external data format, since almost all data allowing external XML data to be used as dimensio ...

**Keywords:** OLAP, XML, adaptivity, federated databases

**25 A generalized model management system for mathematical programming**

Daniel R. Dolk

June 1986

**ACM Transactions on Mathematical Software (TOMS)**, Volume 12 Issue 2

Full text available:  [pdf\(2.54 MB\)](#)

Additional Information: [full citation](#), [abstrac](#) \_

This paper examines mathematical programming software in the context of model management and decision modeling systems. An MMS is seen as a much more generalized software system that requires the confluence incorporating powerful, abstraction-based representation structures, an MMS can support multi ...

**26 Mobile data management: Mimic: raw activity shipping for file synchronization in mobile file systems**

Tae-Young Chang, Aravind Velayutham, Raghupathy Sivakumar

June 2004

**Proceedings of the 2nd international conference on Mobile systems, application**

Full text available:  [pdf\(334.54 KB\)](#)

Additional Information: [full citation](#), [abstrac](#) \_

In this paper, we consider the problem of file synchronization when a mobile host shares files with a backbone overheads of conventional file synchronization approaches which use full file transfer. These schemes comput the server for file-synchronization. Howev ...

**Keywords:** file synchronization, mobile file system, raw activity shipping

**27 A publish/subscribe CORBA persistent state service prototype**

C. Liebig, M. Cilia, M. Betz, A. Buchmann

April 2000

**IFIP/ACM International Conference on Distributed systems platforms**

Full text available:  [pdf\(283.92 KB\)](#)

Additional Information: [full citation](#), [abstrac](#) \_

An important class of information dissemination applications requires 1:n communication and access to persis possibility of efficiently realizing information brokers between data sources and CORBA clients. In this paper w existing middleware platform. This publish/subscribe architecture makes ...

**28 Towards OLAP security design — survey and research issues**

Torsten Priebe, Günther Pernul

November 2000

**Proceedings of the 3rd ACM international workshop on Data warehousing and OLAP**

Full text available:  [pdf\(107.83 KB\)](#)

Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

**Keywords:** OLAP, access control, data warehouse, design, security

**29 BASE: Using abstraction to improve fault tolerance**

Miguel Castro, Rodrigo Rodrigues, Barbara Liskov

August 2003

**ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 3

Full text available:  [pdf\(438.18 KB\)](#)

Additional Information: [full citation](#), [abstrac](#) \_

Software errors are a major cause of outages and they are increasingly exploited in malicious attacks. Byzant This paper describes a replication technique, BASE, which uses abstraction to reduce the cost of Byzantine fau of off-the-shelf service implementations. It improves availability ...

**Keywords:** Byzantine fault tolerance, N-version programming, asynchronous systems, proactive recovery, st

30 An introduction to data warehousing: what are the implications for the network?

Katherine Jones  
February 1998

**International Journal of Network Management**, Volume 8 Issue 1

Full text available:  pdf(145.35 KB)

Additional Information: [full citation](#), [abstrac](#) \_

Data warehousing is an information systems environment, rather than a product. It has emerged as an essen  
implications of data warehousing for business. © 1998 John Wiley & Sons, Ltd.

31 The impact of architectural trends on operating system performance

M. Rosenblum, E. Bugnion, S. A. Herrod, E. Witchel, A. Gupta  
December 1995

**ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposiu**

Full text available:  pdf(2.03 MB)

Additional Information: [full citation](#), [references](#), [citing](#)s, [index term](#)

32 Efficient execution of multiple query workloads in data analysis applications

Henrique Andrade, Tahsin Kurc, Alan Sussman, Joel Saltz  
November 2001

**Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  pdf(193.03 KB)

Additional Information: [full citation](#), [abstrac](#) \_

Applications that analyze, mine, and visualize large datasets are considered an important class of applications  
applications often involve user-defined processing of data and application-specific data structures. If data ana  
simultaneously to minimize the response time to clients. In this paper we pre ...

33 Discovery of multi-level rules and exceptions from a distributed database

Rónán Páircéir, Sally McClean, Bryan Scotney  
August 2000

**Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery**

Full text available:  pdf(132.32 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** aggregates, distributed databases, exception discovery, multi-level statistical models, rule discov

34 Practical byzantine fault tolerance and proactive recovery

Miguel Castro, Barbara Liskov  
November 2002

**ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4

Full text available:  pdf(1.63 MB)

Additional Information: [full citation](#), [abstrac](#) \_

Our growing reliance on online services accessible on the Internet demands highly available systems that prov  
major cause of service interruptions and they can cause arbitrary behavior, that is, Byzantine faults. This artic  
tolerate Byzantine faults. BFT can be used in practice to implement re ...

**Keywords:** Byzantine fault tolerance, asynchronous systems, proactive recovery, state machine replication, s

35 The INCINERATE data model

H. V. Jagadish  
March 1995

**ACM Transactions on Database Systems (TODS)**, Volume 20 Issue 1

Full text available:  pdf(2.75 MB)



Additional Information: [full citation](#), [abstrac](#) \_

In this article, we present an extended relational algebra with universally or existentially quantified classes as  
and significantly reduce the size of a database, at small additional computational cost. We also show how the

36 Domain-independent natural language interfaces: Problems in natural-language interface to DBMS wit

Marjorie Templeton, John Burger  
February 1983

**Proceedings of the first conference on Applied natural language processing**

Full text available:  [pdf\(1.18 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#) \_


For five years the End-User Friendly Interface to Data management (EUFID) project team at System Development that was to be independent of both the application and the database management system. In this paper we deal with specific reference to the EUFID system as an example.

**37 Open hypermedia and the web: The XML web: a first study**

Laurent Mignet, Denilson Barbosa, Pierangelo Veltri

May 2003

**Proceedings of the twelfth international conference on World Wide Web**

Full text available:  [pdf\(726.59 KB\)](#)

Additional Information: [full citation](#), [abstract](#) \_

Although originally designed for large-scale electronic publishing, XML plays an increasingly important role in eventually replacing HTML. Not surprisingly, there has been a great deal of interest on XML both in industry (made of XML documents only) nor on its contents has been made. The ...

**Keywords:** XML documents, XML web, statistical analysis, structural properties

**38 File and storage systems: The Google file system**

Sanjay Ghemawat, Howard Gobioff, Shun-Tak Leung

October 2003

**Proceedings of the nineteenth ACM symposium on Operating systems principles**

Full text available:  [pdf\(275.54 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** clustered storage, data storage, fault tolerance, scalability

**39 Advanced data processing in KRISYS: modeling concepts, implementation techniques, and client/server**

Stefan Deßloch, Theo Härder, Nelson Mattos, Bernhard Mitschang, Joachim Thomas

May 1998

**The VLDB Journal — The International Journal on Very Large Data Bases, Volume 7**

Full text available:  [pdf\(210.27 KB\)](#)

Additional Information: [full citation](#), [abstract](#) \_

The increasing power of modern computers is steadily opening up new application domains for advanced data management. Advanced data management have been investigated during the last decade, especially in the field of object-oriented database systems. In developing such an advanced database system, the KRISYS prototype. In this ...

**Keywords:** Client/server architectures, Consistency control, Object-oriented modeling concepts, Query processing

**40 Information quality-driven data integration: A general framework for query answering in data quality-based**

June 2004

**Proceedings of the 2004 international workshop on Information quality in information systems**

Full text available:  [pdf\(126.15 KB\)](#)

Additional Information: [full citation](#), [abstract](#) \_

Data quality in Cooperative Information Systems (CISs) which integrate a number of local heterogeneous data sources, software and architectural paradigms, and are specified a number of ad-hoc algorithms for quality query answering systems. The consequence is that each software system responds in some way ...